



Water-Data Report 2008

**404844074082501 Local number 130193- MW144**

Sand and gravel aquifers (glaciated regions)  
Stratified Drift

Essex County, NJ

LOCATION.--Lat 40°48'44", long 74°08'25" referenced to North American Datum of 1927, Nutley Town, Essex County, NJ, Hydrologic Unit 02030103.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 8.30 ft. Upper casing diameter 2 in; top of first opening 3.3 ft, bottom of last opening 8.3 ft.

DATUM.--Land-surface datum is 12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2004, 2008.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 4. Urban Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA**

**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 11

[Remark codes: <, less than; E, estimated.]

Date	Time	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Turbidity white light, 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, μS/cm 25 degC (00095)	Temperature, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
Jul 16...	1325	2.15	.15	55	16	764	2.9	32	6.8	831	19.5	270	74.7

**WATER-QUALITY DATA**

**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 11

[Remark codes: <, less than; E, estimated.]

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Alkalinity, wat fltrd inf tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd inf pt titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Jul 16...	20.3	6.45	58.1	242	237	288	100	E.09	16.9	24.8	E457	480	E.09

404844074082501 Local number 130193- MW144—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 11

[Remark codes: &lt;, less than; E, estimated.]

Date	Ammonia	Nitrate +	Nitrite	Ortho-	Organic	Alum-	Anti-	Arsenic	Barium,	Beryll-	Boron,	Cadmium	Chrom-
	water, fltrd, mg/L as N (00608)	nitrite water, fltrd, mg/L as N (00631)	water, fltrd, mg/L as N (00613)	phos- phate, water, fltrd, mg/L as P (00671)	carbon, water, fltrd, mg/L (00681)	inum, water, fltrd, µg/L (01106)	mony, water, fltrd, µg/L (01095)	water, fltrd, µg/L (01000)	water, fltrd, µg/L (01005)	ium, water, fltrd, µg/L (01010)	water, fltrd, µg/L (01020)	water, fltrd, µg/L (01025)	ium, water, fltrd, µg/L (01030)
Jul 16...	<.020	2.78	E.001	.023	1.7	E.8	E.08	.25	192	<.01	50	.14	.89

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 4 of 11

[Remark codes: &lt;, less than; E, estimated.]

Date	Copper,	Iron,	Lead,	Mangan-	Mercury	Nickel,	Selen-	Silver,	Thall-	Zinc,	1-Naph-	2,6-Di-	2Chloro
	water, fltrd, µg/L (01040)	water, fltrd, µg/L (01046)	water, fltrd, µg/L (01049)	ese, water, fltrd, µg/L (01056)	water, fltrd, µg/L (71890)	water, fltrd, µg/L (01065)	ium, water, fltrd, µg/L (01145)	water, fltrd, µg/L (01075)	ium, water, fltrd, µg/L (01057)	water, fltrd, µg/L (01090)	thol, water, fltrd 0.7u GF (49295)	ethyl- aniline water, fltrd 0.7u GF (82660)	-2',6'- diethyl acet- anilide wat flt µg/L (61618)
Jul 16...	1.0	14	<.08	1,170	<.010	2.6	1.2	<.1	<.04	<.18	<.04	<.006	<.010

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 5 of 11

[Remark codes: &lt;, less than; E, estimated.]

Date	CIAT,	2-Ethyl	3,4-Di-	3,5-Di-	4-	Aceto-	Ala-	alpha-	Atra-	Azin-	Azin-	Ben-	Car-
	water, fltrd, µg/L (04040)	-6- methyl- aniline water, fltrd, µg/L (61620)	chloro- aniline water, fltrd, µg/L (61625)	chloro- aniline water, fltrd, µg/L (61627)	Chloro- 2methyl phenol, water, fltrd, µg/L (61633)	chlor, water, fltrd, µg/L (49260)	chlor, water, fltrd, µg/L (46342)	Endo- sulfan, water, fltrd, µg/L (34362)	zine, water, fltrd, µg/L (39632)	phos- methyl oxon, water, fltrd, µg/L (61635)	phos- methyl, water, fltrd 0.7u GF (82686)	flur- alin, water, fltrd 0.7u GF (82673)	Car- baryl, water, fltrd 0.7u GF (82680)
Jul 16...	E.007	<.010	<.006	<.008	<.005	<.006	<.006	<.006	E.007	<.04	<.120	<.010	<.060

404844074082501 Local number 130193- MW144—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 6 of 11

[Remark codes: &lt;, less than; E, estimated.]

Date	Carbo- furan, water, fltrd 0.7u GF µg/L (82674)	Chlor- pyrifos water, fltrd, µg/L (61636)	Chlor- pyrifos water, fltrd, µg/L (38933)	cis- Per- methrin water fltrd 0.7u GF µg/L (82687)	cis- Propi- cona- zole, water, fltrd, µg/L (79846)	Cyana- zine, water, fltrd, µg/L (04041)	Cyflu- thrin, water, fltrd, µg/L (61585)	lambda- Cyhalo- thrin, water, fltrd, µg/L (61595)	Cyper- methrin water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)	Desulf- inyl- fipro- nil, water, fltrd, µg/L (62170)	Diazi- non, water, fltrd, µg/L (39572)	Dicro- tophos, water, fltrd, µg/L (38454)
Jul 16...	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	<.012	<.005	<.08

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

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[Remark codes: &lt;, less than; E, estimated.]

Date	Diel- drin, water, fltrd, µg/L (39381)	Dimeth- oate, water, fltrd 0.7u GF µg/L (82662)	Disulf- oton sulfone water, fltrd, µg/L (61640)	Disul- foton, water, fltrd 0.7u GF µg/L (82677)	Endo- sulfan sulfate water, fltrd, µg/L (61590)	EPTC, water, fltrd 0.7u GF µg/L (82668)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Etho- prop, water, fltrd 0.7u GF µg/L (82672)	Fenami- phos sulfone water, fltrd, µg/L (61645)	Fenami- phos oxide, water, fltrd, µg/L (61646)	Fenami- phos, water, fltrd, µg/L (61591)	Desulf- inyl- fipro- nil amide, wat flt µg/L (62169)
Jul 16...	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03	<.029

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

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[Remark codes: &lt;, less than; E, estimated.]

Date	Fipro- nil sulfide water, fltrd, µg/L (62167)	Fipro- nil sulfone water, fltrd, µg/L (62168)	Fipro- nil, water, fltrd, µg/L (62166)	Fonofos water, fltrd, µg/L (04095)	Hexa- zinone, water, fltrd, µg/L (04025)	Ipro- dione, water, fltrd, µg/L (61593)	Isofen- phos, water, fltrd, µg/L (61594)	Mala- oxon, water, fltrd, µg/L (61652)	Mala- thion, water, fltrd, µg/L (39532)	Meta- laxyl, water, fltrd, µg/L (61596)	Methid- athion, water, fltrd, µg/L (61598)	Methyl para- oxon, water, fltrd, µg/L (61664)	Methyl para- thion, water, fltrd 0.7u GF µg/L (82667)
Jul 16...	<.013	E.006	E.004	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01	<.008

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

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[Remark codes: <, less than; E, estimated.]

Date	Metolachlor, water, fltrd, µg/L (39415)	Metribuzin, water, fltrd, µg/L (82630)	Molinate, water, fltrd, 0.7u GF µg/L (82671)	Myclobutanil, water, fltrd, µg/L (61599)	Oxyfluorfen, water, fltrd, µg/L (61600)	Pendimethalin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)	Prometryn, water, fltrd, µg/L (04036)	Propyzamide, water, fltrd, 0.7u GF µg/L (82676)
Jul 16...	<.010	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.06	<.008	.01	<.006	<.004

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 10 of 11

[Remark codes: <, less than; E, estimated.]

Date	Propanil, water, fltrd, 0.7u GF µg/L (82679)	Propargite, water, fltrd, 0.7u GF µg/L (82685)	Simazine, water, fltrd, µg/L (04035)	Tebu-thiuron, water, fltrd, 0.7u GF µg/L (82670)	Tefluthrin, water, fltrd, µg/L (61606)	Terbufos oxon sulfone, water, fltrd, µg/L (61674)	Terbufos, water, fltrd, 0.7u GF µg/L (82675)	Terbutylazine, water, fltrd, µg/L (04022)	Thiobencarb, water, fltrd, 0.7u GF µg/L (82681)	trans-Propiconazole, water, fltrd, µg/L (79847)	Tribuphos, water, fltrd, µg/L (61610)	Tri-fluralin, water, fltrd, 0.7u GF µg/L (82661)	Di-chlorvos, water, fltrd, µg/L (38775)
Jul 16...	<.006	<.04	.014	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009	<.01

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 11 of 11

[Remark codes: <, less than; E, estimated.]

Date	Alpha radioac 30 day, wat flt Th-230, pCi/L (62639)	Alpha radioac 72 hr, wat flt Th-230, pCi/L (62636)	Beta radioac 30 day, wat flt Cs-137, pCi/L (62645)	Beta radioac 72 hr, wat flt Cs-137, pCi/L (62642)
Jul 16...	4.5	12	8.1	5.3